

der the short Ribs of the left side. Of this Wound she then received, she has still a Fistula to this day, what Food she eats dischargeth it self half concocted through this opening, and she is obliged to clean this Wound often for that purpose, however she has notwithstanding this, her daily Evacuation *per Anum*: It is remarkable, that the Viſtuals thus discharged, by the Wound aforeſaid, are ſtill diſtinctly known what kind they have been of.

All this is attested by *Oitzmann* mentioned above.
In fidem Subſcripſit,

F. Niemeyer.

VI. *An Account of an Experiment made on Thursday the laſt Day of June, 1720. before the R. Society, to ſhew by a new proof, that Bodies of the ſame Bulk do not contain equal quantities of Matter, and therefore that there is an interſpers'd Vacuum.* By J. T. Deſaguliers,

I Took 3 Pound of *Mercury*, which by meaſure fill'd three times a ſmall glaſs Jar exactly full, and pour'd it into a thin Florence Flaſk: then having pour'd the ſame quantity of Water (that is, three of the ſame Jars full) into another ſuch Flaſk, I ſet both the Flaſks in a Pail, and pour'd boiling Water about them, keeping the Flaſk that had the Water down by force, that it might be as low in the hot Water as the *Mercury*. After the Fluids in the Flaſks had receiv'd a ſufficient degree of heat from the Water, which was round the Flaſks, for the ſpace of five Minutes, I took

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the Flasks out of the hot Water, and putting that which held the Water into a Cylandrick Vessel that had three Pints of cold Water in it, I did at the same time plunge the Flask with *Mercury* into another Cylandrick Vessel containing also three Pints of cold Water, and observ'd which of the cold Waters was most heated in the following manner.

A little Thermometer being held in the first Vessel of cold Water so as to have its Ball cover'd with the Water, upon the putting in the Flask of warm Water, the Spirit rose 2 degrees; then putting the Thermometer into the Water where the Flask that had the *Mercury* was, the Spirit rose three degrees higher. The Thermometer being again put into the first Vessel fell 4 degrees, and afterwards again into the last it rose almost 3 degrees.

This shews that more heat is communicated by warm *Mercury*, than by an equal Bulk of Water equally warm'd; and therefore that there is more matter in the *Mercury*; but how much more matter there is in the *Mercury* is not determin'd by this Experiment alone.

N. B. The warm *Mercury* and the warm Water were not pour'd into the cold; but only communicated their heat thro' the Flasks.